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ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE FIRST NAMED INVENTOR 10990638-1 2834 10/16/2000 Karen W. Shannon 09/690,173 EXAMINER 22878 7590 10/14/2004 AGILENT TECHNOLOGIES, INC. HUDSON, AMY J INTELLECTUAL PROPERTY ADMINISTRATION, LEGAL DEPT. ART UNIT PAPER NUMBER P.O. BOX 7599 1635 M/S DL429

DATE MAILED: 10/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/690,173	SHANNON, KAREN W.
	Examiner	Art Unit
	Amy J Hudson	1635
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet w	ith the correspondence address
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a sply within the statutory minimum of thir d will apply and will expire SIX (6) MON after cause the application to become A	reply be timely filed ty (30) days will be considered timely. JTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133)
Status		
1) Responsive to communication(s) filed on	·	
2a) This action is FINAL . 2b) ⊠ This action is non-final.		
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.		
Disposition of Claims		
4) ☐ Claim(s) 41, 42, 46-63 is/are pending in the a 4a) Of the above claim(s) is/are withdr 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 41, 42,46-63 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	awn from consideration.	
Application Papers		
9) The specification is objected to by the Examir	ner.	
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.		
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.		
Priority under 35 U.S.C. § 119		
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list 	nts have been received. nts have been received in A ority documents have been au (PCT Rule 17.2(a)).	pplication No received in this National Stage
Attachment(s)		
1) M Notice of References Cited (PTO-892) 2) Motice of Draftsperson's Patent Drawing Review (PTO-948)		summary (PTO-413) s)/Mail Date
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date		nformal Patent Application (PTO-152)

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Claim Objections

Claims 54 and 55 are objected to under 37 CFR 1.75 as being substantial duplicates of claims 51 and 52, respectively. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k). In the instant case, the claims mentioned are exact duplicates.

Double Patenting Rejection

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 41, 42, and 46-63 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1, 5, 14, 26, and

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28-31 of U.S. Patent No. 6,132,997. Although the conflicting claims are not identical, they are not patentably distinct from each other because they contain the same components, methods, and kit.

Instant claim 41 is directed to a kit for use in linearly amplifying mRNA. The components of the kit as claimed are: an oligonucleotide promoter-primer comprising an RNA polymerase promoter sequence, an RnaseH- polymerase, an RnaseH+ polymerase, and a reverse transcriptase inhibitor. The kit of instant claim 53 contains the same components but specifies ddNTPs as the reverse transcriptase inhibitor and adds an RNA polymerase. The kit of instant claim 59 is directed to an oligonucleotide promoter-primer comprising an RNA polymerase promoter sequence; and a reverse transcriptase inhibitor. The components of the instant claimed kits are necessary in order to practice the method disclosed by U.S. Patent No. 6132997(claims 1, 4, 10, and 16). Therefore, the components of the instant claimed kit are obvious over the method disclosed in U.S. Patent No. 6132997.

Instant claims 42, 57, and 63 further include the instructions of the kit of claims 41, 53, and 59, respectively. The instructions are to convert mRNA to cDNA, and then to transcribe the cDNA into RNA in the presence of a reverse transcriptase that is rendered incapable of RNA-dependent DNA polymerase activity during the transcription step. U.S. Patent No. 6132997, claim 1, teaches a method for linearly amplifying mRNA, said method comprising: converting mRNA to cDNA, followed by transcribing the cDNA into RNA in the presence of a reverse transcriptase that is incapable of RNA-dependent DNA polymerase activity during said transcribing step. The method taught in

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claim 1 of U.S. Patent No. 6132997 corresponds with the steps of the instant instructions. The kit with instructions would therefore be obvious over the method claimed in U.S. Patent No. 6132997 since they each specify the same method, including similar instructions.

Instant claims 46-52, 54-56, 58, and 60-62 further limit the kits of instant claims 41, 53, and 59. Instant claims 46 and 58 read on the kit further comprising MMLV-RT. Instant claim 47 reads on the kit further comprising an RNA polymerase. Instant claims 48 and 56 specify the RNA polymerase to be T7 RNA polymerase. Instant claims 49-52, 54, 55, and 60-62 read on ddNTPs serving as the reverse transcriptase inhibitors. U.S. Patent No. 6132997 claims 1, 14, 18, 23, and 25 teach all of these components as a part of the claimed methods, therefore instant claims 46-52, 54-56, 58, and 60-62 are obvious over the methods claimed in U.S. Patent No. 6132997 since the components are previously taught and are needed to carry out the method as previously claimed.

The kit components of instant claims 41, 42, and 46-52 correspond with the steps of the methods claimed in U.S. Patent No. 6132997 claims 1-25. It would have been obvious to one skilled in the art at the time of filing to use the kit components in the method disclosed in U.S. Patent No. 6132997, since the components are intended to be used in such a method.

Additionally, the kit taught in U.S. Patent No. 6132997 claims 26-31 has overlapping scope with the kit being instantly claimed. Instant claim 53 reads on a kit for linearly amplifying mRNA, said kit comprising: an oligonucleotide promoter-primer

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comprising an RNA polymerase promoter sequence; an RnaseH- polymerase; an RnaseH+ polymerase; ddNTPs: and an RNA polymerase. Instant claim 53 is a species of broader claim 26 teaching a kit in U.S. Patent No. 6132997. U.S. Patent No. 6132997 claim 26 teaches a kit for use in linearly amplifying mRNA into antisense RNA, said kit comprising: and oligonucleotide promoter-primer comprising an RNA polymerase promoter sequence; and ddNTPs. When considering the totality of the kit claims in U.S. Patent No. 6132997 (claims 26-31), every component of the instant claimed kit (instant claims 53-56) is accounted for in the kit of U.S. Patent No. 6132997, and thus obvious one over the other.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amy Hudson whose telephone number is 571-272-0755. The examiner can normally be reached on Mon-Fri 7:30 am – 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John LeGuyader can be reached on 571-272-0760. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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